

ABSTRACT OF THE DISCLOSURE

Sidestream gas sampling assembly that does not substantially degrade the waveform of expired gases. The gas sampling assembly includes a sample cell portion integrated with a filter portion for separating undesired liquid condensate from respiratory gases to be monitored. The gas sampling assembly is configured to receive expired gases through a gas sampling line, filter undesired liquid condensate from the expired gases through hydrophobic fiber elements and communicate the filtered gases to a sample chamber which is in close proximity to the filter where measurements may be taken thereof e.g., optical or infrared sensing mechanisms. The gases that are substantially free of liquid condensate are then exhausted from the sample chamber.